

AMENDMENTS TO THE CLAIMS

Claims 1-13 – Withdrawn

14. (Currently Amended) A carbon prepared according to the following steps:

polymerizing a polymerizable component from a mixture containing said polymerizable component and a surfactant so as to form a polymer, said surfactant and said polymerizable component being present in said mixture in a molar ratio of at least 0.2 : 1 and said polymer having an average pore size greater than 4 nm, a density greater than 0.1 g/cc; and

carbonizing the polymer;

activating the carbon; and

wherein said carbon is an activated carbon and has a volumetric capacitance in a non-aqueous electrolyte of at least 20 F/cc, a pore size greater than 2 nm, a density greater than 0.1 g/cc, a surface area greater than 750 m²/g, and an electrical conductivity greater than 10 Scm⁻¹.

15. (Currently Amended) A carbon having a volumetric capacitance in a non-aqueous electrolyte of at least 20 F/cc, a density greater than 0.5 g/cc, a surface area greater than 1000 m²/g, and an average pore size greater than 10 nm, wherein the carbon is an activated carbon.

16. (Original) The carbon according to claim 15 wherein the carbon has a conductivity of at least 10 Scm⁻¹.

17. (Previously Amended) The carbon according to claim 15 having a surface area of 891 to 2000 m²/g.

18. (Original) The carbon according to claim 15 wherein the carbon is monolithic.

19. (Original) The carbon of claim 15, further comprising at least one additive incorporated therein, said additive being selected from the groups consisting of high surface area powders, metal salts, organometallics, and fibers.

Claims 20-23 -- Withdrawn

24. (Currently Amended) A porous carbon monolith comprising an activated carbon with at least one dimension greater than 2 mm, a surface area between 200 and 2000 m²/g, a density greater than 0.5 g/cc, a pore size greater than 10 nm, and a volumetric capacitance in a non-aqueous electrolyte of at least 20 F/cc.

25. (Original) The porous carbon monolith according to claim 24 having a conductivity of at least 10 Scm⁻¹.

C¹
Claim 26 -- Canceled

Claim 27 -- Withdrawn

Claims 28-30 -- Cancelled

31. (New) A carbon comprising a carbonized polymer having a surfactant, the carbon having a volumetric capacitance in a non-aqueous electrolyte of at least 20 F/cc, a density greater than 0.5 g/cc, a surface area greater than 1000 m²/g, and an average pore size greater than 10 nm, wherein the carbon is an activated carbon.

C²
32. (New) A porous carbon monolith comprising a carbonized polymer having a surfactant, wherein the carbonized polymer is activated, the carbon monolith with at least one dimension greater than 2 nm, a surface area between 200 and 2000 m²/g, a density greater than 0.5 g/cc, a pore size greater than 10 nm, and a volumetric capacitance in a non-aqueous electrolyte of at least 20 F/cc.